

Jakub, Barbara, Env. Health

From: Jakub, Barbara, Env. Health
Sent: Monday, October 12, 2009 2:18 PM
To: 'Jill Quillin'
Subject: RE: Red Hanger Cleaners Site - revised scope of work

Jill,

While we always like to see more samples than less, this is a good attempt at collecting soil in the cap fringe and at depth and is acceptable at this time. However, review of the results may require additional sampling. As we also discussed please include the sample rationale in your report.

Regards,
Barb Jakub

From: Jill Quillin [mailto:Jill.Quillin@erm.com]
Sent: Monday, October 12, 2009 1:39 PM
To: Jakub, Barbara, Env. Health
Cc: Chimi Yi; John Cavanaugh; (Gary_Bates@efiglobal.com)
Subject: RE: Red Hanger Cleaners Site - revised scope of work

Hello Barb -

As discussed, due to the unexpectedly deep depth to groundwater observed yesterday, we propose to adjust the soil sample intervals to be analyzed by the laboratory as follows:

Location	Depth	Soil Samples	GW Samples
A-1	35' bgs	10', 15', 20', 30', & 35'	35'
A-2			
AD-3	Base of 1 st wtr/35'	15', 20' & 35'	35'
AU-4			
AU-5			
AUST-6	Top of 1 st wtr	30.5'	35'

Please confirm that this is acceptable to you.
thank you very much

Jill Quillin
(925 946-0455)

From: Jakub, Barbara, Env. Health [mailto:barbara.jakub@acgov.org]
Sent: Thursday, September 10, 2009 12:59 PM
To: Jill Quillin
Subject: RE: Red Hanger Cleaners Site - revised scope of work

Jill,

That is fine. Your client is paying for the mobilizations since they are not in the UST fund so there is no issue with saving those costs. I have erased the date from my calendar. Let me know when you reschedule and I'll see if I can make it out there.

Barb Jakub

From: Jill Quillin [mailto:Jill.Quillin@erm.com]
Sent: Thursday, September 10, 2009 11:58 AM
To: Jakub, Barbara, Env. Health
Subject: RE: Red Hanger Cleaners Site - revised scope of work

Hi Barb -

We've run into some logistical issues at the site, and need to postpone the drilling we were thinking about performing this Sunday (9/13).

I know we discussed it, but I am not sure whether you had formally posted it on your calendar.

I will update you as we set up a revised date for the drilling.

These logistical issues have also forced us to revisit the planned scope of work, and we would like to propose a slight modification to the scope of work for Phase A.

Specifically - we'd like to break Phase A into two separate field mobilizations.

For the first drilling day, we would drill at locations A-1, AD-3 and AUST-6 using a standard direct push rig. We would collect the soil and gw samples as noted in the e-mail string below, but we would hold off on the remaining three borings (AU-4, AU-5 and A-2) until after we receive and evaluate the analytical results for the first day of drilling. Based on the Day 1 lithologic and analytical data, we would determine the appropriate ground water sampling depth for A-2, AU-4 and AU-5, and just collect one ground water sample at that approx. depth from each of those three locations (i.e., only one boring would be drilled at each location, instead of a pilot hole and step-out). We would confer with you prior to Day 2 of the Phase A work to make sure we're on the same page regarding the appropriate depth.

Would this revision be acceptable to you?

If you would like to discuss it further, I can be available for you anytime this afternoon or tomorrow.

Thank you

Jill Quillin
(925 946-0455)

From: Jakub, Barbara, Env. Health [mailto:barbara.jakub@acgov.org]
Sent: Thursday, August 27, 2009 9:46 AM
To: Jill Quillin
Cc: (Gary_Bates@efiglobal.com); Chimi Yi; John Cavanaugh; Arun Chemburkar
Subject: RE: Red Hanger Cleaners Site - revised scope of work

Thank you for preparing the summary of our August 26, 2009 sampling discussion. ACEH concurs with your proposal. If site specific lithology or other restrictions change the location and/or quantity of the samples, please discuss any modifications made in the Soil and Water Investigation Report.

Regards,

Barb Jakub

From: Jill Quillin [mailto:Jill.Quillin@erm.com]
Sent: Thursday, August 27, 2009 8:16 AM
To: Jakub, Barbara, Env. Health
Cc: (Gary_Bates@efiglobal.com); Chimi Yi; John Cavanaugh; Arun Chemburkar
Subject: Red Hanger Cleaners Site - revised scope of work

Barb -

Thanks again for your time yesterday afternoon discussing the scope of work for the subject site.

As we understand it, based on our conversation yesterday, for the purposes of a more complete site characterization that will allow you to consider site closure (i.e., focusing on vertical profiling in the unsaturated and saturated zones), it is our understanding that the following sampling strategy would address your concerns:

Location	Depth	Soil Samples	GW Samples
A-1	35' bgs	5', 10', 15' (cap fr), 20', 25'	1 st wtr, and base of 1 st wtr or 35'

			(whichever shallower)
A-2	Top of 1 st wtr	10', 15' (cap fr)	1 st wtr
AD-3	Base of 1 st wtr/35'	5', 10', 15' (cap fr)	1 st wtr, and base of 1 st wtr/35'
AU-4	Base of 1 st wtr/35'	[hold 5', 10' & analyze only if deeper impacts] 15' (cap fr), 20', 25'	1 st wtr, and base of 1 st wtr/35'
AU-5	Base of 1 st wtr/35'	[hold 5', 10' & analyze only if deeper impacts] 15' (cap fr), 20', 25'	1 st wtr, and base of 1 st wtr/35'
AUST-6	Top of 1 st wtr	15' (cap fr)	1 st wtr

This translates to a total of 21 soil samples (including those held) and 10 water samples

Further clarification:

If the base of the 1st water is not obvious from the borings, the borings will be terminated at 35' bgs.

Based on prior boring logs, we've assumed that the capillary fringe is at approximately 15' bgs - if it turns out that this is not the case, deeper soil samples representing the capillary fringe zone will be collected from A-2, AD-3, and AUST-6 (possibly increasing the total number of soil samples to as many as 24).

To avoid cross-contamination, we will have to install pairs of borings for all locations where water will be collected from two different depths (4 locations).

The 5' sampling strategy is considered adequate for collecting representative samples of the varying lithologies present in the interval investigated; minor shifts in sample depth may be performed based on professional judgment in the field to target stratigraphic changes, but a 5-foot sampling interval will generally be maintained.

Please confirm that this summary is consistent with your expectations, or let me know where changes are needed.

Thanks again for your attention to this project,

Jill

Jill A. Quillin, P.G
Program Director
ERM
1777 Botelho Drive, Ste 260
Walnut Creek, CA 94596
T: +1 925 946-0455
F: +1 925 946-9968
C: +1 925 286-9048
jill.quillin@erm.com
www.erm.com

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